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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/090,185

DATE: 03/18/2002

TIME: 16:07:14

Input Set : N:\Cr3\RULE60\10090185.raw

Output Set: N:\CRF3\03182002\J090185.raw

1 <110> APPLICANT: Zhang, Xiaokui
 2 Wrzeszczynska, Melissa H
 3 Horvath, Curt M
 4 Darnell Jr., James E
 5 <120> TITLE OF INVENTION: METHODS FOR IDENTIFYING MODULATORS OF TRANSCRIPTIONAL
 ACTIVATOR PROTEIN
 6 INTERACTIONS
 7 <130> FILE REFERENCE: 600-1-253
 8 <140> CURRENT APPLICATION NUMBER: 10/090,185
 9 <141> CURRENT FILING DATE: 2002-03-04
 11 <150> PRIOR APPLICATION NUMBER: 09/387,418
 12 <151> PRIOR FILING DATE: 1999-08-31
 15 <160> NUMBER OF SEQ ID NOS: 43
 16 <170> SOFTWARE: PatentIn Ver. 2.0
 18 <210> SEQ ID NO: 1
 19 <211> LENGTH: 39
 20 <212> TYPE: DNA
 21 <213> ORGANISM: Mus musculus
 22 <220> FEATURE:
 23 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
 24 <400> SEQUENCE: 1
 25 caccacaacag ccgccgtagc aacagagaag cagvagatg
 27 <210> SEQ ID NO: 2
 28 <211> LENGTH: 39
 29 <212> TYPE: DNA
 30 <213> ORGANISM: Mus musculus
 31 <220> FEATURE:
 32 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
 33 <400> SEQUENCE: 2
 34 gccgtagtga cagagaaggc acagatgttg gagcagcat
 36 <210> SEQ ID NO: 3
 37 <211> LENGTH: 51
 38 <212> TYPE: DNA
 39 <213> ORGANISM: Mus musculus
 40 <220> FEATURE:
 41 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
 42 <400> SEQUENCE: 3
 43 gccgtagtga cagagaagca gcagatggca gagcagcatc ttcaggatgt c
 45 <210> SEQ ID NO: 4
 46 <211> LENGTH: 34
 47 <212> TYPE: DNA
 48 <213> ORGANISM: Mus musculus
 49 <220> FEATURE:
 50 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer

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51 <400> SEQUENCE: 4
52      atgttgagc agcatgctca ggatgtccgg aagc
54 <210> SEQ ID NO: 5
55 <211> LENGTH: 35
56 <212> TYPE: DNA
57 <213> ORGANISM: Mus musculus
58 <220> FEATURE:
59 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
60 <400> SEQUENCE: 5
61      gcagcatctt caggatgcac ggaagcgagt gcagg
63 <210> SEQ ID NO: 6
64 <211> LENGTH: 58
65 <212> TYPE: DNA
66 <213> ORGANISM: Mus musculus
67 <220> FEATURE:
68 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
69 <400> SEQUENCE: 6
70      caactcagga aatttgacca gcaacgcgac tgccgtggca aactggacac cagtcttg
72 <210> SEQ ID NO: 7
73 <211> LENGTH: 17
74 <212> TYPE: DNA
75 <213> ORGANISM: Mus musculus
76 <220> FEATURE:
77 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
78 <400> SEQUENCE: 7
79      aatccttctg ggaattc
81 <210> SEQ ID NO: 8
82 <211> LENGTH: 154
83 <212> TYPE: PRT
84 <213> ORGANISM: Mus musculus
85 <400> SEQUENCE: 8
86      Met Ala Gln Trp Asn Gln Leu Gln Gln Leu Asp Thr Arg Tyr Leu Lys
87      1          5          10          15
88      Gln Leu His Gln Leu Tyr Ser Asp Thr Phe Pro Met Glu Leu Arg Gln
89      20          25          30
90      Phe Leu Ala Pro Trp Ile Glu Ser Gln Asp Trp Ala Tyr Ala Ala Ser
91      35          40          45
92      Lys Glu Ser His Ala Thr Leu Val Phe His Asn Leu Leu Gly Glu Ile
93      50          55          60
94      Asp Gln Gln Tyr Ser Arg Phe Leu Gln Glu Ser Asn Val Leu Tyr Gln
95      65          70          75          80
96      His Asn Leu Arg Arg Ile Lys Gln Phe Leu Gln Ser Arg Tyr Leu Glu
97      85          90          95
98      Lys Pro Met Glu Ile Ala Arg Ile Val Ala Arg Cys Leu Trp Glu Glu
99      100         105         110
100     Ser Arg Leu Leu Gln Thr Ala Ala Thr Ala Ala Gln Gln Gly Gly Gln
101     115         120         125
102     Ala Asn His Pro Thr Ala Ala Val Val Thr Glu Lys Gln Gln Met Leu
103     130         135         140

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104      Glu Gln His Leu Gln Asp Val Arg Lys Arg
105      145                      150
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108 <211> LENGTH: 271
109 <212> TYPE: PRT
110 <213> ORGANISM: Mus musculus
111 <400> SEQUENCE: 9
112      Arg Cys Leu Trp Glu Glu Ser Arg Leu Leu Gln Thr Ala Ala Thr Ala
113      1          5          10          15
114      Ala Gln Gln Gly Gly Gln Ala Asn His Pro Thr Ala Ala Val Val Thr
115      20          25          30
116      Glu Lys Gln Gln Met Leu Glu Gln His Leu Gln Asp Val Arg Lys Arg
117      35          40          45
118      Val Gln Asp Leu Glu Gln Lys Met Lys Val Val Glu Asn Leu Gln Asp
119      50          55          60
120      Asp Phe Asp Phe Asn Tyr Lys Thr Leu Lys Ser Gln Gly Asp Met Gln
121      65          70          75          80
122      Asp Leu Asn Gly Asn Asn Gln Ser Val Thr Arg Gln Lys Met Gln Gln
123      85          90          95
124      Leu Glu Gln Met Leu Thr Ala Leu Asp Gln Met Arg Arg Ser Ile Val
125      100         105         110
126      Ser Glu Leu Ala Gly Leu Leu Ser Ala Met Glu Tyr Val Gln Lys Thr
127      115         120         125
128      Leu Thr Asp Glu Glu Leu Ala Asp Trp Lys Arg Arg Pro Glu Ile Ala
129      130         135         140
130      Cys Ile Gly Gly Pro Pro Asn Ile Cys Leu Asp Arg Leu Glu Asn Trp
131      145         150         155         160
132      Ile Thr Ser Leu Ala Glu Ser Gln Leu Gln Thr Arg Gln Gln Ile Lys
133      165         170         175
134      Lys Leu Glu Glu Leu Gln Gln Lys Val Ser Tyr Lys Gly Asp Pro Ile
135      180         185         190
136      Val Gln His Arg Pro Met Leu Glu Arg Ile Val Glu Leu Phe Arg
137      195         200         205
138      Asn Leu Met Lys Ser Ala Phe Val Val Glu Arg Gln Pro Cys Met Pro
139      210         215         220
140      Met His Pro Asp Arg Pro Leu Val Ile Lys Thr Gly Val Gln Phe Thr
141      225         230         235         240
142      Thr Lys Val Arg Leu Leu Val Lys Phe Pro Glu Leu Asn Tyr Gln Leu
143      245         250         255
144      Lys Ile Lys Val Cys Ile Asp Lys Asp Ser Gly Asp Val Ala Ala
145      260         265         270
147 <210> SEQ ID NO: 10
148 <211> LENGTH: 393
149 <212> TYPE: PRT
150 <213> ORGANISM: Mus musculus
151 <400> SEQUENCE: 10
152      Leu Arg Gly Ser Arg Lys Phe Asn Ile Leu Gly Thr Asn Thr Lys Val
153      1          5          10          15
154      Met Asn Met Glu Glu Ser Asn Asn Gly Ser Leu Ser Ala Glu Phe Lys

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155          20          25          30
156 His Leu Thr Leu Arg Glu Gln Arg Cys Gly Asn Gly Gly Arg Ala Asn
157          35          40          45
158 Cys Asp Ala Ser Leu Ile Val Thr Glu Glu Leu His Leu Ile Thr Phe
159          50          55          60
160 Glu Thr Glu Val Tyr His Gln Gly Leu Lys Ile Asp Leu Glu Thr His
161          65          70          75          80
162 Ser Leu Pro Val Val Val Ile Ser Asn Ile Cys Gln Met Pro Asn Ala
163          85          90          95
164 Trp Ala Ser Ile Leu Trp Tyr Asn Met Leu Thr Asn Asn Pro Lys Asn
165          100          105          110
166 Val Asn Phe Phe Thr Lys Pro Pro Ile Gly Thr Trp Asp Gln Val Ala
167          115          120          125
168 Glu Val Leu Ser Trp Gln Phe Ser Ser Thr Thr Lys Arg Gly Leu Ser
169          130          135          140
170 Ile Glu Gln Leu Thr Thr Leu Ala Glu Lys Leu Leu Gly Pro Gly Val
171          145          150          155          160
172 Asn Tyr Ser Gly Cys Gln Ile Thr Trp Ala Lys Phe Cys Lys Glu Asn
173          165          170          175
174 Met Ala Gly Lys Gly Phe Ser Phe Trp Val Trp Leu Asp Asn Ile Ile
175          180          185          190
176 Asp Leu Val Lys Lys Tyr Ile Leu Ala Leu Trp Asn Glu Gly Tyr Ile
177          195          200          205
178 Met Gly Phe Ile Ser Lys Glu Arg Glu Arg Ala Ile Leu Ser Thr Lys
179          210          215          220
180 Pro Pro Gly Thr Phe Leu Leu Arg Phe Ser Glu Ser Ser Lys Glu Gly
181          225          230          235          240
182 Gly Val Thr Phe Thr Trp Val Glu Lys Asp Ile Ser Gly Lys Thr Gln
183          245          250          255
184 Ile Gln Ser Val Glu Pro Tyr Thr Lys Gln Gln Leu Asn Asn Met Ser
185          260          265          270
186 Phe Ala Glu Ile Ile Met Gly Tyr Lys Ile Met Asp Ala Thr Asn Ile
187          275          280          285
188 Leu Val Ser Pro Leu Val Tyr Leu Tyr Pro Asp Ile Pro Lys Glu Glu
189          290          295          300
190 Ala Phe Gly Lys Tyr Cys Arg Pro Glu Ser Gln Glu His Pro Glu Ala
191          305          310          315          320
192 Asp Pro Gly Ser Ala Ala Pro Tyr Leu Lys Thr Lys Phe Ile Cys Val
193          325          330          335
194 Thr Pro Thr Thr Cys Ser Asn Thr Ile Asp Leu Pro Met Ser Pro Arg
195          340          345          350
196 Thr Leu Asp Ser Leu Met Gln Phe Gly Asn Asn Gly Glu Gly Ala Glu
197          355          360          365
198 Pro Ser Ala Gly Gly Gln Phe Glu Ser Leu Thr Phe Asp Met Asp Leu
199          370          375          380
200 Thr Ser Glu Cys Ala Thr Ser Pro Met
201          385          390
203 <210> SEQ ID NO: 11
204 <211> LENGTH: 154

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205 <212> TYPE: PRT
206 <213> ORGANISM: Mus musculus
207 <400> SEQUENCE: 11
208   Met Ser Gln Trp Tyr Glu Leu Gln Gln Leu Asp Ser Lys Phe Leu Glu
209       1           5           10           15
210   Gln Val His Gln Leu Tyr Asp Asp Ser Phe Pro Met Glu Ile Arg Gln
211       20           25           30
212   Tyr Leu Ala Gln Trp Leu Glu Lys Gln Asp Trp Glu His Ala Ala Asn
213       35           40           45
214   Asp Val Ser Phe Ala Thr Ile Arg Phe His Asp Leu Leu Ser Gln Leu
215       50           55           60
216   Asp Asp Gln Tyr Ser Arg Phe Ser Leu Glu Asn Asn Phe Leu Leu Gln
217       65           70           75           80
218   His Asn Ile Arg Lys Ser Lys Arg Asn Leu Gln Asp Asn Phe Gln Glu
219       85           90           95
220   Asp Pro Ile Gln Met Ser Met Ile Ile Tyr Ser Cys Leu Lys Glu Glu
221       100          105          110
222   Arg Lys Ile Leu Glu Asn Ala Gln Arg Phe Asn Gln Ala Gln Ser Gly
223       115          120          125
224   Asn Ile Gln Ser Thr Val Met Leu Asp Lys Gln Lys Glu Leu Asp Ser
225       130          135          140
226   Lys Val Arg Asn Val Lys Asp Lys Val Met
227       145          150
229 <210> SEQ ID NO: 12
230 <211> LENGTH: 268
231 <212> TYPE: PRT
232 <213> ORGANISM: Mus musculus
233 <400> SEQUENCE: 12
234   Ser Cys Leu Lys Glu Glu Arg Lys Ile Leu Glu Asn Ala Gln Arg Phe
235       1           5           10           15
236   Asn Gln Ala Gln Ser Gly Asn Ile Gln Ser Thr Val Met Leu Asp Lys
237       20           25           30
238   Gln Lys Glu Leu Asp Ser Lys Val Arg Asn Val Lys Asp Lys Val Met
239       35           40           45
240   Cys Ile Glu His Glu Ile Lys Ser Leu Glu Asp Leu Gln Asp Glu Tyr
241       50           55           60
242   Asp Phe Lys Cys Lys Thr Leu Gln Asn Arg Glu His Glu Thr Asn Gly
243       65           70           75           80
244   Val Ala Lys Ser Asp Gln Lys Gln Glu Gln Leu Leu Leu Lys Lys Met
245       85           90           95
246   Tyr Leu Met Leu Asp Asn Lys Arg Lys Glu Val Val His Lys Ile Ile
247       100          105          110
248   Glu Leu Leu Asn Val Thr Glu Leu Thr Gln Asn Ala Leu Ile Asn Asp
249       115          120          125
250   Glu Leu Val Glu Trp Lys Arg Gln Gln Ser Ala Cys Ile Gly Gly
251       130          135          140
252   Pro Pro Asn Ala Cys Leu Asp Gln Leu Gln Asn Trp Phe Thr Ile Val
253       145          150          155          160
254   Ala Glu Ser Leu Gln Gln Val Arg Gln Gln Leu Lys Lys Leu Glu Glu

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